

Remarks/Arguments:

Claim 3, 4, 7, and 16-29 are pending in the above-identified application. By the present Amendment, claims 1, 2, 5, 6 and 8-15 are cancelled; claims 3, 4, 7, 16 and 20 are amended; and new claims 26-29 are presented for consideration.

Rejections of Claims 8-12 and 16-20

Claims 8-12 and 16-20 are rejected under 35 U.S.C. § 102(e) for being anticipated by U.S. Patent No. 6,836,471 to Holma et al. ("Holma"). By the present Amendment, claims 8-12 are cancelled. To expedite prosecution, claims 16 and 20 are amended. For the reasons set forth below, Applicants respectfully assert that Holma does not disclose all of the features of amended claims 16 and 20 and dependent claims 17-19.

In particular, Holma does not disclose the following features of amended claim 16:

A **mobile station** . . . comprising:

. . .
a **system information estimation section that estimates** system information of the second radio communication system from the radio wave received from the second radio communication system, **the system information including an indication of the existence of the second radio communication system**, and outputs the system estimation information . . .
(emphasis added)

These features may be found throughout the application and, particularly, on page 36, lines 17-22. No new matter has been added.

The above-identified application recognizes shortcomings of prior-art radio communication systems. In particular, prior-art radio communication systems required a relay device for relaying system information between base stations in separate radio communication networks. The use of a relay device requires cable communications between the base stations and the relay device, thereby complicating the radio communications network and increasing the expense of building such networks.

The subject invention proposes radio communication systems that do not require the use of a relay device or cable communication networks for transmitting system information between different base stations. In particular, the above-identified application describes a mobile device that includes an estimation section for estimating the existence of a radio communication system. The mobile device stores the system information, which includes the existence of the radio communication system, in a storage section and communicates the system information to a base station of another radio communication system. The above-identified application also describes that a base station of one radio communication system may include an estimation section for estimating the existence of other radio communication systems.

Holma describes a telecommunications network 70 that provides for inter-operator handover between a wideband code division multiple access (WCDMA) network and a global system for mobile communications (GSM) network. (See col. 5, lines 41-43.) Telecommunications network 70 includes a core network 80 which is linked to a radio network controller (RNC) 74 and a base-station controller (BSC) 82. (See col. 5, lines 43-46.) The RNC 74 includes mechanisms 76 and 78 for generating neighbor lists, and the BSC 82 includes a mechanism 84 for generating a neighbor list. (See col. 5, lines 46-54.) The neighbor list identifies the cells in the network in a particular area. (See col. 5, lines 19-28.) Holma does not describe how mechanisms 76, 78 and 84 generate such lists.

The Office Action asserts the "system estimation section" of claim 16 is disclosed by Holma in its abstract and at col. 1, lines 9-10, col. 4, lines 19-29, and col. 5, line 2. Applicants respectfully assert that these portions of Holma do not describe all of the above-quoted features of claim 16.

The abstract and col. 1, lines 9-10 of Holma describe a handover event and the provision of neighbor lists to a mobile terminal during handover. Col. 4, lines 19-29 of Holma describes how a mobile terminal is an "active participant in the handover procedure" and how the mobile terminal controls its own signal strength and obtains information on the signal strength of neighboring cells from the neighbor lists it receives. Finally, col. 5, line 2 of Holma refers to a "system information message" received by the mobile terminal. Applicants note that the "system information

message" includes the neighbor lists generated by the RNC 74 and the BSC 82. (See Holma, col. 5, lines 2-40 and col. 6, lines 7-31.)

The above-noted portions of Holma cited by the Office Action do not describe "a mobile station" that includes "a system information estimation section that estimates system information of the second radio communication system from the radio wave received from the second radio communication system, the system information including an indication of the existence of the second radio communication system," as recited in amended claim 1. Rather, these portions of Holma describe how system information messages, which include neighbor lists generated by the RNC 74 and the BSC 82, are provided to the mobile device. The RNC 74 and the BSC 82 do not **estimate** system information and do not **estimate the existence** of other radio systems or networks. Further, the RNC 74 and the BSC 82 **are not located in the mobile device**. (See Holma, Fig. 2.) Accordingly, Applicants respectfully assert that Holma does not disclose all of the features of claim 16. Withdrawal of the rejection and reconsideration and allowance of the claim are respectfully requested.

Claims 17-19 depend from claim 16 and include all of the features thereof. Claim 20 recites features similar to those of claim 16 discussed above. Accordingly, Applicants respectfully assert that Holma does not disclose all of the features of claims 17-20. Withdrawal of the rejections and reconsideration and allowance of the claims are respectfully requested.

Rejections of Claims 1-7, 13-15 and 21-25

Claims 1-7, 13-15 and 21-25 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Holma in view of U.S. Patent No. 5,499,387 to Chambert. By the present Amendment, claims 1, 2, 5, 6 and 13-15 are cancelled. To expedite prosecution, claims 3 and 7 are amended. For the reasons set forth below, Applicants respectfully assert that neither Holma, nor Chambert, nor their combination discloses or suggests all of the features of claims 3, 4, 7 and 21-25.

In particular, neither Holma, nor Chambert, nor their combination discloses or suggests the following features of amended claim 3:

a system information estimation section that estimates system information of the second radio communication system from the radio wave received from the second radio communication system, the system information including an indication of the existence of the second radio communication system, and outputs the system estimation information . . .

These features are found throughout the originally filed application and, particularly, on page 22, lines 14-19. No new matter has been added.

Applicants note that claim 3 is directed to a "radio communication system" that includes the above-quoted "system information estimation section." As with claim 16 discussed above, the Office Action asserts that the "system estimation section" of claim 3 is disclosed in the description of the WCDMA and/or GSM system information found in the abstract, col. 1, lines 9-10, col. 4, lines 19-29, and col. 5, line 2 of Holma. Applicants respectfully assert that these portions of Holma do not describe all of the above-quoted features of claim 3.

The above-noted portions of Holma cited by the Office Action do not describe "a system information estimation section that estimates system information of the second radio communication system from the radio wave received from the second radio communication system, the system information including an indication of the existence of the second radio communication system," as recited in amended claim 3. Rather, these portions describe how system information messages, which include neighbor lists generated by the RNC 74 and the BSC 82, are provided to mobile device. The RNC 74 and the BSC 82 do not **estimate** system information and do not **estimate the existence** of other radio systems or networks. Accordingly, Applicants respectfully assert that Holma does not disclose the above-quoted features of amended claim 3.

The Office Action also cites to col. 6, lines 10-15 of Chambert as disclosing features of the claim relating to storage. Applicants note that this portion of Chambert describes storing "measures information," which includes signal strength information,

time dispersion information, and channel quality information. (See Chambert, col. 5, line 61 - col. 6, line 15.) This portion of Chambert does not describe the features of claim 3 missing from Holma, as discussed above. Accordingly, Applicants respectfully assert that Chambert does not disclose the above-quoted features of amended claim 3 missing from Holma.

In view of the foregoing, Applicants respectfully assert that neither Holma, nor Chambert, nor their combination discloses or suggests all of the above-quoted features of claim 3. Withdrawal of the rejection and reconsideration and allowance of the claim are respectfully requested.

Claims 4, 24, and 25 depend, ultimately, from claim 3 and, therefore, include all of the features thereof. Claim 7 recites features similar to those of claim 3 discussed above. Claims 21-23 depend from claim 20 and include all of the features thereof. For the reasons discussed above with respect to claims 3, 16, and 20, Applicants respectfully assert that neither Holma, nor Chambert, nor their combination discloses or suggests all of the features of claims 4, 7, and 21-25. Withdrawal of the rejections and reconsideration and allowance of the claims are respectfully requested.

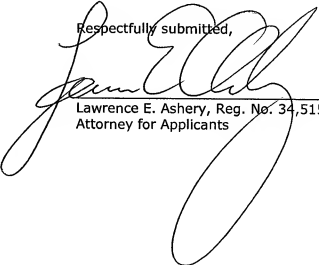
New Claims

By the present Amendment, Applicants submit new claims 26-29 for consideration. These claims recite further features of the "system information estimation section" recited in the claims. Specifically, these claims recite "scanning to see in which frequency band the radio signal received is located." As described above, Holma does not describe a "system information section" that estimates system information as recited in the claims. Accordingly, Applicants respectfully assert that new claims 26-29 are allowable over Holma and Chambert for reasons similar to those discussed above. Favorable consideration is respectfully requested.

Conclusion

For the reasons discussed above, Applicants respectfully assert that the above-identified application is in condition for allowance, which action is respectfully requested.

Respectfully submitted,



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